

[Document Name] ABSTRACT

[Abstract]

[Problem] To provide a selection method for barley
lipoxygenase-1 deficient barley in order to improve
5 flavor stability and foam head retention of malt
alcoholic beverages.

[Means of Solution] A selection method for barley
lipoxygenase-1 deficient barley, comprising a step
of distinguishing the barley lipoxygenase-1
10 deficient barley by whether or not the guanine at the
splicing donor site of the 5th intron of the barley
lipoxygenase-1 gene is mutated to a different base;
and a method for production of malt alcoholic beverages
using a material for malt alcoholic beverages derived
15 only from barley obtained by the selection method.

[Selected Drawing] None